PATENT COOPERATION TREATY

o:					PCT	
see form PCT/ISA/220 Applicant's or agent's file reference see form PCT/ISA/220				WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORIT (PCT Rule 43bis.1) Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet) FOR FURTHER ACTION See paragraph 2 below		
	national Patent Class H05K3/24 H05k	ification (IPC) or both national clas (3/28	sification	and IPC		
Appli ORI	cant MECON GMBH					
1.	 Box No. I Box No. II Box No. III Box No. IV Box No. V Box No. VI Box No. VI Box No. VII 	Lack of unity of invention	with reg Rule 43 <i>bi</i> planation tional ap	ard to novelty, invising is.1(a)(i) with regans supporting such	ventive step and industrial applicability ard to novelty, inventive step or industrial h statement	
2.	written opinion of the applicant ch International Bu will not be so co If this opinion is submit to the IP from the date of whichever expire	international preliminary exami of the International Preliminary ooses an Authority other than to reau under Rule 66.1 bis(b) that onsidered. , as provided above, considered EA a written reply together, where mailing of Form PCT/ISA/220	t written	to be the IPEA ar opinions of this li	on will usually be considered to be a EA") except that this does not apply where ad the chosen IPEA has notifed the international Searching Authority of the IPEA, the applicant is invited to endments, before the expiration of 3 months 22 months from the priority date,	
3.	For further deta	uils, see notes to Form PCT/ISA	M220.			
Na	me and mailing addr	ress of the ISA:	Date of	f completion of inion	Authorized Officer	
_	NL-2280 Tel. +31	n Patent Office - P.B. 5818 Patentl HV Rijswijk - Pays Bas 70 340 - 2040 Tx: 31 651 epo nl 70 340 - 3016	aag de for PCT/IS		Persat, Nathalie Telephone No. +31 70 340-4964	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

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International application No. PCT/EP2007/007467

	Во	k No	. I Basis of the opinion		
1.	gard to the language, this opinion has been established on the basis of:				
	\boxtimes	the	international application in the language in which it was filed		
		a ti	anslation of the international application into , which is the language of a translation furnished for the poses of international search (Rules 12.3(a) and 23.1 (b)).		
2.		Th by	is opinion has been established taking into account the rectification of an obvious mistake authorized or notified to this Authority under Rule 91 (Rule 43bis.1(a))		
3.	. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:				
	a. type of material:				
			a sequence listing		
			table(s) related to the sequence listing		
	b.	b. format of material:			
			on paper		
			in electronic form		
	C.	time	of filing/furnishing:		
			contained in the international application as filed.		
			filed together with the international application in electronic form.		
			furnished subsequently to this Authority for the purposes of search.		
4	·. 🗆	h C	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto as been filed or furnished, the required statements that the information in the subsequent or additional opies is identical to that in the application as filed or does not go beyond the application as filed, as oppropriate, were furnished.		
Ę	5. A	dditi	onal comments:		

International application No. PCT/EP2007/007467

Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

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Novelty (N)

Yes: Claims

10-12,20-22

Claims No:

1-9,13-19,23-35

Inventive step (IS)

Yes: Claims

No: Claims

No:

1-35

Industrial applicability (IA)

Yes: Claims Claims <u>1-35</u>

2. Citations and explanations

see separate sheet

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/EP2007/007467

Re Item V.

1. Reference is made to the following documents:

D1: US 2006/035105 A1 (WESSLING BERNHARD) 16 February 2006 (2006-02-16)

D2: DE 10 2004 030388 A1 (ORMECON GMBH [DE]) 26 January 2006 (2006-01-26) cited in the application

2. The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT.

Document D1 discloses (the references in parentheses applying to this document):

a coated article (paragraph [0016]), which comprises

- (i) at least one electrically non-conducting base layer (paragraph [0017]),
- (ii) at least one layer of copper and/or a copper alloy (paragraph [0018]), and
- (iii) a layer which contains at least one electrically conductive polymer (paragraph [0036]), wherein the copper or copper alloy layer (ii) is positioned between the base layer (i) and layer (iii) containing the conductive polymer (paragraph [0020]), characterized in that layer (iii) contains at least one precious metal or at least one semiprecious metal or a mixture thereof (paragraphs [0020], [0030]).
- 3. The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 24 is not new in the sense of Article 33(2) PCT.

Document D1 discloses (the references in parentheses applying to this document):

a process for the production of a coated article in the form of a printed circuit board (paragraph [0053]) in which

- (1) a layer of copper or of a copper-containing alloy is applied onto the surface of a base layer (paragraph [0054]),
- (2) the layer produced in step (1) is structured (paragraph [0055]); and
- (3) a layer which contains at least one electrically conductive polymer and at least one precious metal and/or at least one semiprecious metal or a mixture thereof is applied onto the structured copper or copper alloy layer (paragraphs [0056], [0064] and [0065]: other metals such as Au, Ag, Cu etc. are deposited together with a conductive polymer onto the layer formed in step (2)).

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/EP2007/007467

- 4. The same reasoning applies, mutatis mutandis, to the subject-matter of the corresponding independent claims 29 (use of a dispersion which contains an electrically conductive polymer and a precious metal and/or semiprecious metal) and 32 (coated article obtainable by the process of claim 24) which therefore are also considered not new in the sense of Article 33(2) PCT.
- Dependent claims 2-23, 25-28, 30, 31, 33-35 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step (Article 33(2) and (3) PCT), see documents D1 and D2 and the corresponding passages cited in the search report.